BRUHATH BENGALORE MAHANAGARA PALIKE DASARAHALLI ZONE

Name of work:Comprehensive development works in ward no.13, Mallasandra

Est .Cost Rs .100.00 Lakhs

	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
Earth work excavation for foundation of building water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per specifications.(Page No. 5 / Item No. 2.3 of PWD SR 2018-19)							226	
front of Anjaneya Temple								
Column footing		8	1.60	1.60	1.80	36.86		
L/wall		2	14.00	1.00	1.00	28.00		
S/wall		3	4.10	1.00	1.00	12.30		
For Sump		1	2.20	2.20	2.50	12.10		
For anjaneya temple								
Flooring		1	52.00	2.90	0.15	22.62		
Retaining Wall		1	15.00	1.00	1.00	15.00		
	Cum					**126.88**	**322.92**	**40973.38**
Basic Rate	299.00							
Area Weightage 8%	23.92							
Total	**322.92**							
KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS (P.No. 13/ I.No. 4.2 of PWD 2018-19)								
Below Ground Level								
front of Anjaneya Temple								
Column footing		8	1.60	1.60	0.15	3.07		
L/wall		2	14.00	1.00	0.15	4.20		
S/wall		3	4.10	1.00	0.15	1.85		
Inside Steps		1	18.00	0.50	0.15	1.35		
		1	13.70	3.70	0.15	7.60		
For anjaneya temple								
Flooring		1	52.00	2.90	0.15	22.62		
Retaining Wall		1	15.00	1.00	0.15	2.25		
For Sump		1	2.20	2.20	0.15	0.73		
	Cum					**43.67**	**5698.60**	**248837.75**
Basic Rate	5194.00							
Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1079.39	Note:- (220*490.63/100)=1079.39						
Add Cement cost as per Issue rate	1161.86	Note:- (220*264.06/50)=1161.86						
Sub Total	**5276.48**							
Area Weightage 8%	422.12							
Total	**5698.60**							
Providing and constructing granite /trap/ baslat size stone masonry in foundation with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications (Page No. 25/ Item No. 5.6, PWD SR 2018-19)								
Below Ground Level								
front of Anjaneya Temple								
L/wall		2	14.00	0.90	0.75	18.90		

		Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	S/wall		3	4.10	0.90	0.75	8.30		
	Inside Steps		1	18.00	0.60	0.60	6.48		
	Deduct For Column		8	0.45	0.23	0.75	-0.62		
	Above Ground Level								
	L/wall		2	14.00	0.60	0.45	7.56		
	S/wall		3	4.10	0.60	0.45	3.32		
	Inside Steps		1	18.00	0.45	0.60	4.86		
	Deduct For Column		8	0.45	0.23	0.45	-0.37		
	For anjaneya temple								
	Raising of Wall		1	34.00	0.45	0.45	6.89		
		Cum			Net Qty		**55.31**	**4983.92**	**275685.29**
	Basic Rate	4596.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-245.32	Note:- -(0.2*1*1=0.2 Cum/Sqm) (0.2*250*490.63/100)=245.32						
	Add Cement cost as per Issue rate	264.06	Note:- (0.2*250*264.06/50)=264.06						
	Sub Total	**4614.75**							
	Area Weightage 8%	369.18							
	Total	**4983.92**							
4	Providing ruled pointing to coursed stone masonry with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, labour, curing complete as per specifications (Page No. 115 / Item No. 15.3, PWD SR 2018-19)								
	For Building								
	Above Ground Level								
	L/wall		2	14.00		0.45	12.60		
	S/wall		3	4.10		0.45	5.54		
	For anjaneya temple								
			1	34.00		0.45	15.30		
		Sqm					**33.44**	**157.49**	**5265.67**
	Basic Rate	142.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-50.04	Note:- (0.02*1*1=0.02Cum/Sqm) (0.02*510*490.63/100)=50.04						
	Add Cement cost as per Issue rate	53.87	Note:- (0.02*510*264.06/50)=53.87						
	Sub Total	**145.82**							
	Area Weightage 8%	11.67							
	Total	**157.49**							
5	Filling avaialble excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification (Page No. 7 / Item No. 2.10 / PWD SR 2018-19)								
		Cum		**Qty as per It 1**			**126.88**	**217.08**	**27543.98**
	Basic Rate	201.00							
	Area Weightage 8%	16.08							
	Total	**217.08**							

	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
			L	B	D			
KSRB 4.2.7: Providing and laying in position reinforced cement concrete cum of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1,4.6 Specification No. KBS 4.1, 4.6. (Page No. 14, Item No. 4.12, PWD SR 2018-19)								
Below Ground Level								
front of Anjaneya Temple								
Column footing		8	1.60	1.60	0.45	9.22		
For Column		8	0.45	0.23	1.20	0.99		
Above ground level								
Ground Floor								
For Column		8	0.45	0.23	3.00	2.48		
Plinth Beam								
L/wall		2	14.00	0.45	0.30	3.78		
S/wall		2	4.10	0.45	0.30	1.11		
Deduct For Column		8	0.45	0.23	0.30	-0.25		
Lintel Beam								
L/wall		2	14.00	0.15	0.15	0.63		
S/wall		2	4.10	0.15	0.15	0.18		
Deduct For Column		8	0.45	0.15	0.15	-0.08		
Roof Beam								
L/wall		2	14.00	0.15	0.30	1.26		
S/wall		2	4.10	0.15	0.30	0.37		
Roof Slab		1	14.00	4.10	0.15	8.61		
Deduct For Column		8	0.45	0.15	0.30	-0.16		
FOR Stair Case								
First Flight								
steps		7	0.90	0.25	0.15	0.24		
Waist Slab		1	2.10	0.90	0.15	0.28		
Landing		1	1.80	1.00	0.15	0.27		
Second Flight								
steps		3	0.90	0.25	0.15	0.10		
Waist Slab		1	0.90	0.90	0.15	0.12		
First Floor								
For Column		8	0.45	0.23	3.00	2.48		
Lintel Beam								
L/wall		2	14.00	0.15	0.15	0.63		
S/wall		2	4.10	0.15	0.15	0.18		
Deduct For Column		8	0.45	0.15	0.15	-0.08		
Roof Beam								
L/wall		2	14.00	0.15	0.30	1.26		
S/wall		2	4.10	0.15	0.30	0.37		
Roof Slab		1	14.00	4.10	0.15	8.61		
Deduct For Column		8	0.45	0.15	0.30	-0.16		
For anjaneya temple								
RCC Retaining Wall								
for Footing		1	8.00	1.20	0.45	4.32		
		1	8.00	0.75	0.45	2.70		

	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
			L	B	D			
For Wall		1	8.00	0.25	2.00	4.00		
For Sump								
For Bottom Raft		1	2.20	2.00	0.20	0.88		
For Wall		2	2.20	0.30	2.50	3.30		
For Wall		2	1.60	0.30	2.50	2.40		
Covering		1	2.20	2.20	0.20	0.97		
	Cum					61.02	6666.26	406760.05
Basic Rate	6045.00							
Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1668.14	Note:- (340*490.63/100)=1668.14						
Add Cement cost as per Issue rate	1795.61	Note:- (340*264.06/50)=1795.61						
Sub Total	6172.47							
Area Weightage 8%	493.80							
Total	6666.26							
KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (page No. 15, Item No. 4.19, PWD SR 2018-19)									
Chejja V1		4	1.20	0.35		1.68		
	Sqm					1.68	484.92	814.66
Basic Rate	440.00							
Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-117.75	Note:- (24*490.63/100)=117.75						
Add Cement cost as per Issue rate	126.75	Note:- (24*264.06/50)=126.75						
Sub Total	449.00							
Area Weightage 8%	35.92							
Total	484.92							
KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 (Page No. 18 / Item No. 4.46.2, PWD SR 2018-19)								
Consider 100 kg/cum of concrete			62.70	100.00		6269.77		
	Tonne					6.27	76643.28	480535.74
Basic Rate	70966.00							
Area Weightage 8%	5677.28							
Total	76643.28							
Providing and removing centering shuttering strutting propping etc., and removal of form work for columns, pillars, abutments, post and struts square/ rectangular/ polygon in plan including cost of all materials labour complete as per specification (Page No. 16 / Item No. 4.32, PWD SR 2018-19)								
Below Ground Level								
Column Footings		8	6.40		0.45	23.04		
Column		8	1.36		4.20	45.70		
	Sqm					68.74	492.48	33851.11
Basic Rate	456.00							
Area Weightage 8%	36.48							
Total	492.48							

	Unit	No	Dimension			Quantity	Rate	Amount
			L	B	D		in Rs.	in Rs.
Providing and removing centering shuttering strutting propping etc., and removal of form work for sides and soffits of beams beam houchings cantilever girders bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specification (Page No. 17 / Item No. 4.34, PWD SR 2018-19)								
Ground Floor								
Plinth Beam								
L/wall		4	14.00		0.30	16.80		
S/wall		6	4.10		0.30	7.38		
Lintel Beam								
L/wall		4	14.00		0.30	16.80		
S/wall		6	4.10		0.30	7.38		
Roof Beam								
L/wall		4	14.00		0.30	16.80		
S/wall		6	4.10		0.30	7.38		
First Floor								
Lintel Beam								
L/wall		4	14.00		0.30	16.80		
S/wall		6	4.10		0.30	7.38		
Roof Beam								
L/wall		4	14.00		0.30	16.80		
S/wall		6	4.10		0.30	7.38		
For Sump								
For Wall		4	2.20		2.50	22.00		
		4	1.60		2.50	16.00		
For Roof Slab		1	2.20	2.20		4.84		
	Sqm					**163.74**	**315.36**	**51637.05**
Basic Rate	292.00							
Area Weightage 8%	23.36							
Total	**315.36**							
Providing and removing centering shuttering strutting propping etc., for chejjas, corbels etc., including edges including cost of all materials, labour complete as per specifications (Page No. 17 / Item No. 4.37, PWD SR 2018-19)								
Chejja GF V1		4	2.00		0.08	0.60		
		4	1.20	0.40		1.92		
	Sqm					**2.52**	**348.84**	**879.08**
Basic Rate	323.00							
Area Weightage 8%	25.84							
Total	**348.84**							
Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs,landing, balconies and likes thickness upto 200mm including cost of materials, labour complete as per specification (Page No. 16/ Item No. 4.30, PWD SR 2018-19)								
Roof Slab								
GF		1	14.00	4.10		57.40		
FF		1	14.00	4.10		57.40		
	Sqm					**114.80**	**475.20**	**54552.96**
Basic Rate	440.00							
Area Weightage 8%	35.20							
Total	**475.20**							
KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 (Page No-16 Item no - 4.38 of KPWD SR 2018-19)								
For Stair case								

	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
			L	B	D			
Flight		1	2.10	1.20		2.52		
nd Flight		1	0.90	1.20		1.08		
ides		1	3.00		0.15	0.45		
anding		1	2.40	1.20	0.15	0.43		
teps		20	1.20		0.15	3.60		
	Sqm					**8.08**	**561.60**	**4538.85**
asic Rate	520.00							
rea Weightage 8%	41.60							
otal	**561.60**							

Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 \ including cost of ail materials labour charges, scaffolding, curing, hirecharges of machineries etc., complete as per specifications. KBS No.54 (Page No. 27 / Item No. 5.26.2, PWD SR 2018-19) (400x150x200mm)

GF								
front of Anjaneya Temple								
L/wall		2	14.00		3.00	84.00		
S/wall		3	4.10		3.00	36.90		
FF								
front of Anjaneya Temple								
L/wall		2	14.00		3.00	84.00		
S/wall		4	3.20		3.00	38.40		
Deductions								
Column		16	0.45		3.00	-21.60		
Lintel Beam		2	36.20		0.15	-10.86		
Roof Beam		2	36.20		0.30	-21.72		
D		2	0.90		2.10	-3.78		
Window		8	1.20		1.20	-11.52		
	Sqm					**173.82**	**1000.90**	**173976.44**
Basic Rate	924.00							
Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-36.11	Note:- (7.36*490.63/100)=36.11						
Add Cement cost as per Issue rate	38.87	Note:- (7.36*264.06/50)=38.87						
Sub Total	**926.76**							
Area Weightage 8%	74.14							
Total	**1000.90**							

Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering: providing and removing scaffolding, including cost of materials labour curing complete as per specifications (P.No. 116, I.No. 15.15 of PWD SR 2018-19)

In side plastering								
GF								
front of Anjaneya Temple								
L/wall		2	14.00		3.00	84.00		
S/wall		3	4.10		3.00	36.90		
FF								
front of Anjaneya Temple								
L/wall		2	14.00		3.00	84.00		
S/wall		3	4.10		3.00	36.90		
Deductions								
D		1	0.90		2.10	-1.89		
Window		4	1.20		1.20	-5.76		
	Sqm					**234.15**	**301.80**	**70665.75**
Basic Rate	276.00							

	Unit	No	Dimension			Quantity	Rate	Amount
			L	B	D		in Rs.	in Rs.
Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-45.04	Note:(0.018*1*1=0.018Cum/Sqm) (0.018*510/490.63/100)=45.04						
Add Cement cost as per Issue rate	48.48	Note:- (0.018*510*264.06/50)=48.48						
Sub Total	279.44							
Area Weightage 8%	22.36							
Total	**301.80**							
Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications (Page No116, Item No.15.18 PWD SR 2018-19)								
OutSide								
GF								
front of Anjaneya Temple								
L/wall		2	14.00		3.00	84.00		
S/wall		3	4.10		3.00	36.90		
FF								
front of Anjaneya Temple								
L/wall		2	14.00		3.00	84.00		
S/wall		3	4.10		3.00	36.90		
Deductions								
D		2	0.90		2.10	-3.78		
Window		8	1.20		1.20	-11.52		
	Sqm					**226.50**	**316.25**	**71630.60**
Basic Rate	289.00							
Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-50.04	Note:- (0.02*1*1=0.02Cum/Sqm) (0.02*510*490.63/100)=50.04						
Add Cement cost as per Issue rate	53.87	Note:- (0.02*510*264.06/50)=53.87						
Sub Total	292.82							
Area Weightage 8%	23.43							
Total	**316.25**							
Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling incluidng rounding off corners wherever required smooth rendering providing and removing scaffolding including cost of materials, labour curing complete as per specification . (Page No. 116, Item No. 15.21 of PWD SR 2018-19)								
Ceiling								
GF		1	14.00	4.10		57.40		
FF		1	14.00	4.10		57.40		
	Sqm					**114.80**	**256.28**	**29420.71**
Basic Rate	235.00							
Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-30.03	Note:-0.012*1*1=0.012 Cum/Sqm (0.012*510*490.63/100)=30.03						
Add Cement cost as per Issue rate	32.32	Note:- (0.012*510*264.06/50)=32.32						
Sub Total	237.29							
Area Weightage 8%	18.98							
Total	**256.28**							
Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. (P.No. 128, I.No. 15.106 of SR 2018-19).								
For Ceiling								
		(Qty vide Item no.15 & 17)				348.95		
	Sqm					**348.95**	**84.24**	**29395.55**
Basic Rate	78.00							

	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
			L	B	D			
Area Weightage 8%	6.24							
Total	84.24							
KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. (P. No. 119, I.No. 15.51.2 of SR 2018-19).								
		(Qty vide Item no.15)				234.15		
	Sqm					234.15	97.20	22759.38
Basic Rate	90.00							
Area Weightage 8%	7.20							
Total	97.20							
Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications (Page No. 120 / Item No. 15.53.2, SR 2018-19.)								
		(Qty vide Item no.16)				226.50		
	Sqm					226.50	110.16	24951.24
Basic Rate	102.00							
Area Weightage 8%	8.16							
Total	110.16							
Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames wrought, framed of assembled including making plaster grooves (excluding cost of materials, labour, HOM of machineries complete as per specifications (P. No. 53/ I. No. 9.11 of PWD SR 2018-19)								
Doors		2	6.40	0.125	0.10	0.16		
	Cum					0.16	94612.32	15137.97
Basic Rate	87604.00							
Area Weightage 8%	7008.32							
Total	94612.32							
Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm, thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour,HOM of machineries completed as per specification (excluding cost of fixtures) (Page No. 53, Item No. 9.15, PWD SR 2018-19)								
Doors		2	0.90		2.10	3.78		
	Sqm					3.78	5099.76	19277.09
Basic Rate	4722.00							
Area Weightage 8%	377.76							
Total	5099.76							
Providing and fixing M.S. grill work for windows and ventilator weighing 21kg/Sqm using M.S. flats, or M.S square rods or combination of M.S. flats and steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery specifications (P.No. 34, I.No. 7.9 of PWD SR 2018-19)								
Windows		4	1.20		1.20	5.76		
Consider 21 kg per one sqm	Sqm					120.96	102.60	12410.50
Basic Rate	95.00							
Area Weightage 8%	7.60							
Total	102.60							

	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
			L	B	D			
SRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications. (Page No.123/ Item No.15.73, PWD SR 2018-19)								
Windows			Same as per Vide SL No.24			5.76		
						5.76	44.28	255.05
	Sqm							
Basic Rate	41.00							
Area Weightage 8%	3.28							
Total	**44.28**							
SRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (Page No.123/ Item No.15.74, PWD SR 2018-19)								
Windows			Same as per Vide SL No.24			5.76		
						5.76	102.60	590.98
	Sqm							
Basic Rate	95.00							
Area Weightage 8%	7.60							
Total	**102.60**							
Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 900mm (P.No.110, I.No.14.47.2 of PWD SR 2018-19)								
Ground Floor		1	14.00	4.10		57.40		
		1	18.00	1.05		18.90		
Inside Steps								
First Floor		1	14.00	4.10		57.40		
		1	14.10	0.90		12.69		
For Landing		2	35.50		0.10	7.10		
Skerting		2	3.80		1.80	13.68		
wall Cladding		2	13.70		1.80	49.32		
For Stair case								
1st Flight								
Rise		14	0.90	0.15		1.89		
Tread		15	0.90	0.20		2.70		
Landing		1	1.80	1.00		1.80		
2nd Flight								
Rise		6	0.90	0.15		0.81		
Tread		7	0.90	0.20		1.26		
						224.95	**2603.72**	**585706.18**
	Sqm							
Basic Rate	2408.00							
Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-37.29	Note:- (0.02*1*1=0.02 cum/Sqm) (0.02*380*490.63/100)=37.29						
Add Cement cost as per Issue rate	40.14	Note:- (0.02*380*264.06/50)=40.14						
Sub Total	**2410.85**							
Area Weightage 8%	192.87							
Total	**2603.72**							

	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
			L	B	D			
roviding and fixing colour glazed tiles of size 300mmx600mm for walls with borders of ze 300x100mm, set in Cement Mortar 1:3 and pointed with white cement with matching olour pigment with necessary curing, cleaning including providing and removing caffolding wherever necessary etc., complete. The work includes cost of all materials, abour charges for all items of work, hire charges for equipment, etc., complete as per pecification. (P.No. 112, I.No. 14.64 of SR 2018-19).								
or Toilet Room								
looring		1	1.50	1.50		2.25		
ladding		1	6.00		1.50	9.00		
eduction								
		1	0.90		2.10	-1.89		
	Sqm					**9.36**	**1329.61**	**12445.14**
Basic Rate	**1212.00**							
educt Cement cost as per SR -18-19 age No.V Sl.No.123	-250.22	Note:- (0.1*1*1)=0.10 Cum/Sqm Note:-(0.1*510*490.63/100)=2502.21						
dd Cement cost as per Issue rate	269.34	Note:- (510*264.06/50)=2693.41						
Sub Total	**1231.12**							
Area Weightage 8%	98.49							
Total	**1329.61**							
roviding and fixing for flooring 40mm thick sadarhaili grey flammed granite slab for bath reas in Bathrooms over a bed of 25mm thick CM1:6 and fixing granite slab with CM 1:3.**(Item no 14.57, Page no 111, PWD SR 2018-19)**								
For anjaneya temple								
Flooring		1	51.00	2.80		142.80		
	Sqm					**142.80**	**1983.25**	**283208.18**
Basic Rate	1834.00							
Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-30.66	Note:(0.025*1*1=0.025Cum/Sqm) (0.025*250*490.63/100)=30.66						
Add Cement cost as per Issue rate	33.01	Note:- (0.025*250*264.06/50)=33.01						
Sub Total	**1836.34**							
Area Weightage 8%	146.91							
Total	**1983.25**							
KSRB 7.17 : Providing, fabricating, assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505kg/m, top section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section 49.91x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m; aluminium sections cut to length joint metred cornersgrinded, the shutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots: P.V.C. or rubber gasket with 5.5m. thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherance of mortars or any other sticky materials; the assembled frame fitted with the corner angles, strips and fitted with screws, rawl plugs or teakwood gutties to R.C.C. columns or masonry on sides. beams and flooring in bottom. including cutting, chistling and making good with cement mortar to match the surface; all the frames throughly cleaned free from rust, scale, or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications.using aluminium section anodized to 12 - 15 microns.**(I.tm No.7.17.1, P.No.39, SR:2018-19)**									
Windows		4	1.20		1.20	5.76		
	Sqm					**5.76**	**6621.48**	**38139.72**

	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
			L	B	D			
Basic Rate	6131.00							
Area Weightage 8%	490.48							
Total	**6621.48**							
roviding and fixing PVC Hollow Door Frame of the size 50x47mm with a wall thickness of mm, made out of extruded 5mm rigid PVC foam sheet, mitre cut at two corners and oined with 2 No.s of 150mm long brackets of 15 x 15mm M.S Square tube. The two ertical door profiles are to be reinforced with 19x19mm M.S. Square tube of 19 guage, PDM rubber gasket weather seal to be provided through out the frame. The door screws hrough the frame by using PVC fasteners. A minimum of 4 Nos. of screws to be provided or each vertical member & minimum 2 Nos. for horizontal member. (, P.No. 62, I. No. .92 PWD SR 2018-19)									
Doors		1	5.70			5.70		
	Mtr					**5.70**	**388.80**	**2216.16**
Basic Rate	360.00							
Area Weightage 8%	28.80							
Total	**388.80**							
"SOLID PANEL PRELAM PVC DOOR SHUTTER" Providing and fixing 30MM thick factory made rigid foam with both side Prelam Panelled Door Shutters made from M.S. tube of 19 x 19mm, 19 gauge for styles and 15 x 15mm for top & bottom rails, covered with heat moulded Prelaminated PVC 'C' Channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S Frams, Sealed to the styles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75mm. Aluminium hinges. (, P.No.61, I. No. 9.85.1 PWD SR 2018-19)									
Doors	**Sqm**	1	0.75		2.10	1.58		
						1.58	**4045.68**	**6371.95**
Basic Rate	3746.00							
Area Weightage 8%	299.68							
Total	**4045.68**							
Applying priming coat over new wood surface and/ or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specificatios (P.No.121, I.No. 15.59 of SR 2018-19)								
	Sqm							
D		2	0.90		2.10	3.78		
Basic Rate	50.00					**3.78**	**54.00**	**204.12**
Area Weightage 8%	4.00							
Total	**54.00**							
Providing and applying painting two coats (excluding priming coat) on new wood surface and/ or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications (P.No. 121, I.No. 15.60.1 of SR 2018-19)								
		Qty vide item No.29				3.78		
	Sqm					**3.78**	**104.76**	**395.99**
Basic Rate	97.00							
Area Weightage 8%	7.76							
Total	**104.76**							

	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies terraces etc., consisting of following applications a) applying and grouting a slurry coat of neat cement using 2.75 kg per sqm of cement admixed with proprietary water proofing compound confirming to IS 2645 over the RCC slab after cleaning the surface before treatment b)laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admix with propreatory water proofing compound confirming IS 2645 over 20mm thick layer of cement mortar 1:5 admix with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs c)after two days of proper curing applying a second coat of cement slurry admix with preprietoray water proofing compound d) finishing the surface with 20mm joint less cement mortar of mix 1:4 admix with preprietary water proofing compond wall finally finishing the surface with travel and neat cement slurry and making of 300 x 300 mm square e the whole terrace so finished shall be flooded with water for a minimum period of two weeks curing and final test including cost of materials labour complete as per specifications(Page No.68, Item No. 10.2 of PWD SR 2018-19)								
New Building		1	14.00	4.10		57.40		
for Temple		1	9.90	6.95		68.81		
	Sqm					**126.21**	**1099.52**	**138764.37**
Basic Rate	1006.00							
Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-157.98	Cement Slurry 2.75*490.63/100=13.49 CC with 50% CM 1:5 average thick						
Add Cement cost as per Issue rate	170.05	Cement Slurry 2.75*264.06/50=14.52 CC						
Sub Total	**1018.07**							
Area Weightage 8%	81.45							
Total	**1099.52**							
Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. (P. No. 45 / I. No. 7.37 of PWD 2018-19)								
Gate		2	2.10		1.80	7.56		
	Sq. mtr					**7.56**	**3252.96**	**24592.38**
Basic Rate	3012.00							
Area Weightage 8%	240.96							
Total	**3252.96**							
Providing and fixing M.S. Hand railing for Balcony with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing. (Page No. 44, Item No.7.35, PWD SR 2018-19)								
For Stair case		2	4.20		1.00	8.40		
	Sqm					**8.40**	**3067.20**	**25764.48**
Basic Rate	2840.00							

	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
			L	B	D			
Area Weightage 8%	227.20							
Total	3067.20							
KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (P.no 79 I.No.12.5 PWD SR 2018-19)								
		1				1.00		
	Pan					1.00	5352.48	5352.48
Basic Rate	4956.00							
Area Weightage 8%	396.48							
Total	5352.48							
Providing and fixing white vitreous china clay flat back wash basin size 630x450mm with a single of 15mm C.P. brass pillar taps with C.I. /M.S. brackets 32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cuttings and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications (P.No. 83, I.No. 12.24 of PWD SR 2018-19)								
		1				1.00		
	Unit					1.00	3400.92	3400.92
Basic Rate	3149.00							
Area Weightage 8%	251.92							
Total	3400.92							
Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 10cms x 7.5cms (P.No.90, I.No. 12.113.1 of PWD SR 2018-19)								
		1				1.00		
	Each					1.00	270.00	270.00
Basic Rate	250.00							
Area Weightage 8%	20.00							
Total	270.00							
Circular shape mirror of size 450 mm with plastic moulded frame (Page:XXV, SL No:636 PWD SR 2018-19)								
		3				3.00		
	Nos					3.00	466.10	1398.30
Basic Rate	466.10							
Electrical Work Charges								
		1				1.00		
	L/S					1.00	150000.00	150000.00
Basic Rate	466.10							
					Total Construction Cost (A)			3380577.195
KSRRB 300-3. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. (Page No. 143/ Item No. 19.1/ PWD SR 2018-19)								
For RCC Drain								
Shanthi Layout								
1st Cross		1	38.00	1.10	1.00	41.80		
3rd Cross		2	38.00	1.10	1.00	83.60		
Near AshwathKatte		1	7.00	1.10	1.00	7.70		
For RCC Culvert								
1st cross, Shanthi Layout		1	6.00	1.50	1.00	9.00		

	Unit	No	Dimension			Quantity	Rate	Amount
			L	B	D		in Rs.	in Rs.
For CC Road								
Near AshwathKatte								
		2	82.00	1.20	0.25	49.20		
		2	30.00	1.00	0.25	15.00		
3rd Cross,Shanthi Layout		1	43.00	5.60	0.25	60.20		
Lakeview Side Avenue								
2nd A Cross, Lakeview side Avenue		1	27.00	5.20	0.25	35.10		
Asphalt Road								
Shanthi Layout								
1st Main Road		2	137.00	1.20	0.25	82.20		
2nd cross		2	38.00	1.20	0.25	22.80		
Lakeview Avenue Main Road		2	29.00	1.20	0.25	17.40		
Vijayalakshmi Layout								
1st Main Road		2	153.00	1.20	0.25	91.80		
1st A Cross Road		2	73.00	1.20	0.25	43.80		
2nd Cross		2	100.00	1.20	0.25	60.00		
3rd Cross		2	123.00	1.20	0.25	73.80		
	Cum					**693.40**	**137.80**	**95550.52**
Basic Rate	130.00							
Area Weightage 6%	7.80							
Grand Total	**137.80**							
KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. **(P.No-222,I No-27.18 pwd 2018-19)**								
For RCC Drain								
Shanthi Layout								
1st Cross		1	38.00	1.10	0.15	6.27		
3rd Cross		2	38.00	1.10	0.15	12.54		
Near AshwathKatte		1	7.00	1.10	0.15	1.16		
For RCC Culvert								
1st cross, Shanthi Layout		1	6.00	1.50	0.15	1.35		
For CC Road								
Near AshwathKatte								
		2	82.00	1.20	0.15	29.52		
		2	30.00	1.00	0.15	9.00		
3rd Cross,Shanthi Layout		1	43.00	5.60	0.15	36.12		
Lakeview Side Avenue								
2nd A Cross, Lakeview side Avenue		1	27.00	5.20	0.15	21.06		
	Cum					**117.02**	**5509.33**	**644673.86**
Basic Rate	5115.00							
Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1079.39	Note:- (220*490.63/100)=1079.39						
Add Cement cost as per Issue rate	1161.86	Note:- (220*264.06/50)=1161.86						
Sub Total	**5197.48**							
Area Weightage 6%	311.85							
Grand Total	**5509.33**							
Providing and laying plain/reinforced cement concrete for side drains **using M20 nominal mix** concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59.2,P No-271 PWD SR 2018-19)								

	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
			L	B	D			
For RCC Drain								
Bottom Raft								
Shanthi Layout								
1st Cross		1	38.00	0.90	0.15	5.13		
3rd Cross		2	38.00	0.90	0.15	10.26		
Near AshwathKatte		1	7.00	0.90	0.15	0.95		
For RCC Culvert								
1st cross, Shanthi Layout		1	6.00	1.20	0.20	1.44		
For Wall								
Shanthi Layout								
1st Cross		2	38.00	0.15	0.75	8.55		
3rd Cross		4	38.00	0.15	0.75	17.10		
Near AshwathKatte		2	7.00	0.15	0.75	1.58		
For RCC Culvert								
1st cross, Shanthi Layout		2	6.00	0.30	0.75	2.70		
	Cum					**47.70**	**7189.42**	**342935.25**
Basic Rate	6670.00							
Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1471.89	Note:- (300*490.63/100)=1471.89						
Add Cement cost as per Issue rate	1584.36	Note:- (300*264.06/50)=1584.36						
Sub Total	**6782.47**							
Area Weightage 6%	406.95							
Grand Total	**7189.42**							
KSRB 4.9.2 : **Providing T.M.T steel reinforcement** for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3 (I No-28.8.2,P No-229 PWD SR 2018-19)								
Consider 65kg/Cum for RCC Drain		1	43.56	65.00		2831.40		
Consider 90kg/Cum for RCC Culvert		1	4.14	90.00		372.60		
	Tonne					**3.20**	**72326.98**	**231735.64**
Basic Rate	68233.00							
Area Weightage 6%	4093.98							
Grand Total	**72326.98**							
Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate)								
For RCC Drain								
Shanthi Layout								
1st Cross		1	38.00	0.90		34.20		
3rd Cross		2	38.00	0.90		68.40		
Near AshwathKatte		1	7.00	0.90		6.30		
	Sqm					**108.90**	**1615.00**	**175873.50**
Data Rate	**1615.00**							
Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge. **(Data Rate)**								
For RCC Culvert								

	Unit	No	Dimension			Quantity	Rate	Amount
			L	B	D		in Rs.	in Rs.
t cross, Shanthi Layout		1	6.00	1.20		7.20		
	Sqm					7.20	3674.00	26452.80
Data Rate	3674.00							
KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 **(Page No-140 Item no - 18.47 of KPWD SR 2018-19)**								
For CC Road								
Near AshwathKatte								
		2	82.00	1.20	0.15	29.52		
		2	30.00	1.00	0.15	9.00		
	Cum					38.52	952.94	36707.25
Basic Rate	899.00							
Area Weightage 6%	53.94							
Grand Total	**952.94**							
KSRRB 300-49. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications. MORTH / Chapter 3 **(Page No. 146/ Item No.19.55/ PWD SR 2018-19)**								
Asphalt Road								
Shanthi Layout								
1st Main Road		2	137.00	1.20		328.80		
2nd cross		2	38.00	1.20		91.20		
3rd Cross		1	43.00	5.60		240.80		
Lakeview Side Avenue								
2nd A Cross		1	27.00	5.20		140.40		
Lakeview Avenue Main Road		2	29.00	1.20		69.60		
Vijayalakshmi Layout								
1st Main Road		2	153.00	1.20		367.20		
1st A Cross Road		2	73.00	1.20		175.20		
2nd Cross		2	100.00	1.20		240.00		
3rd Cross		2	123.00	1.20		295.20		
	Sqm					1948.40	95.40	185877.36
Basic Rate	90.00							
Area Weightage 6%	5.40							
Grand Total	**95.40**							
KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 **(Page No-147 Item no - 19.64 of KPWD SR 2018-19)**								
For CC Road								
Near AshwathKatte								
		2	82.00	1.20		196.80		
		2	30.00	1.00		60.00		
3rd Cross,Shanthi Layout		1	43.00	5.60		240.80		
Lakeview Side Avenue								
2nd A Cross, Lakeview side Avenue		1	27.00	5.20		140.40		
Asphalt Road								
Shanthi Layout								
1st Main Road		2	137.00	1.20		328.80		
2nd cross		2	38.00	1.20		91.20		
Lakeview Avenue Main Road		2	29.00	1.20		69.60		

	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
			L	B	D			
Vijayalakshmi Layout								
1st Main Road		2	153.00	1.20		367.20		
1st A Cross Road		2	73.00	1.20		175.20		
2nd Cross		2	100.00	1.20		240.00		
3rd Cross		2	123.00	1.20		295.20		
						2205.20	6.36	14025.07
	Sqm							
Basic Rate	6.00							
Area Weightage 6%	0.36							
Grand Total	6.36							
1	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap l basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve thedesired density complete as per specifications. MORTH Specification No. 406 **(Page No-158 Item no - 20.18 of KPWD SR 2018-19).**								
For CC Road								
Near AshwathKatte								
		2	82.00	1.20	0.15	29.52		
		2	30.00	1.00	0.15	9.00		
3rd Cross,Shanthi Layout		1	43.00	5.60	0.15	36.12		
Lakeview Side Avenue								
2nd A Cross, Lakeview side Avenue		1	27.00	5.20	0.15	21.06		
Asphalt Road								
Shanthi Layout								
1st Main Road		2	137.00	1.20	0.20	65.76		
2nd cross		2	38.00	1.20	0.20	18.24		
Lakeview Avenue Main Road		2	29.00	1.20	0.20	13.92		
Vijayalakshmi Layout								
1st Main Road		2	153.00	1.20	0.20	73.44		
1st A Cross Road		2	73.00	1.20	0.20	35.04		
2nd Cross		2	100.00	1.20	0.20	48.00		
3rd Cross		2	123.00	1.20	0.20	59.04		
	Cum					409.14	2001.28	818803.70
Basic Rate	1888.00							
Area Weightage 6%	113.28							
Grand Total	2001.28							
52	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) **(Page No. 175.tem No.22.6.1,PW,P & IWTD SR 2018-19)**								
For CC Road								
Near AshwathKatte								
		1	82.00	5.60	0.15	68.88		
		1	30.00	4.00	0.15	18.00		
3rd Cross,Shanthi Layout		1	43.00	5.60	0.15	36.12		
		1	44.00	5.20	0.15	34.32		

	Unit	No	L	B	D		in Rs.	in Rs.
akeview Side Avenue								
2nd A Cross, Lakeview side Avenue		1	27.00	5.20	0.15	21.06		
	Cum					178.38	5354.02	955050.42
Basic Rate	4916.00							
Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1766.27	Note:- (360*490.63/100)=1766.27						
Add Cement cost as per Issue rate	1901.23	Note:- (360*264.06/50)=1901.23						
Sub Total	5050.96							
Area Weightage 6%	303.06							
Grand Total	**5354.02**							
KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications.MORTH Specification No. 502 **(Page No-161 Item no - 21.6 of KPWD SR 2018-19)**								
Asphalt Road								
Shanthi Layout								
1st Main Road		2	137.00	1.20		328.80		
2nd cross		2	38.00	1.20		91.20		
Lakeview Avenue Main Road		2	29.00	1.20		69.60		
Vijayalakshmi Layout								
1st Main Road		2	153.00	1.20		367.20		
1st A Cross Road		2	73.00	1.20		175.20		
2nd Cross		2	100.00	1.20		240.00		
3rd Cross		2	123.00	1.20		295.20		
	Sqm					**1567.20**	**26.50**	**41530.80**
As per Issue rate	25.00							
Area Weightage 6%	1.50							
Grand Total	**26.50**							
KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen **(Page No-160 Item no - 21.17.6 of KPWD SR 2018-19)**									
Asphalt Road								
Shanthi Layout								
1st Main Road		2	137.00	1.20	0.05	16.44		
2nd cross		2	38.00	1.20	0.05	4.56		
Lakeview Avenue Main Road		2	29.00	1.20	0.05	3.48		
Vijayalakshmi Layout								
1st Main Road		2	153.00	1.20	0.05	18.36		
1st A Cross Road		2	73.00	1.20	0.05	8.76		
2nd Cross		2	100.00	1.20	0.05	12.00		
3rd Cross		2	123.00	1.20	0.05	14.76		
	Cum					**78.36**	**5727.18**	**448781.82**
As per Issue rate	5403.00							
Area Weightage 6%	324.18							
Grand Total	**5727.18**							
KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501 **(Page No-158 Item no - 21.2 of KPWD SR 2018-19)**								
Asphalt Road								
Shanthi Layout								
1st Main Road		1	137.00	7.00		959.00		

Sl. No		Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
	2nd cross								
	Lakeview Avenue Main Road		1	38.00	5.60		212.80		
	Vijayalakshmi Layout		1	29.00	5.70		165.30		
	1st Main Road								
	1st A Cross Road		1	153.00	5.60		856.80		
	2nd Cross		1	73.00	5.80		423.40		
	3rd Cross		1	100.00	5.70		570.00		
			1	123.00	5.70		701.10		
		Sqm					3888.40	5.30	20608.52
	Basic Rate	5.00							
	Area Weightage 6%	0.30							
	Grand Total	**5.30**							
56	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH **(Page No-158 Item no - 21.7 of KPWD SR 2018-19)**								
	Asphalt Road								
	Shanthi Layout								
	1st Main Road								
	2nd cross		1	137.00	7.00		959.00		
	Lakeview Avenue Main Road		1	38.00	5.60		212.80		
	Vijayalakshmi Layout		1	29.00	5.70		165.30		
	1st Main Road								
	1st A Cross Road		1	153.00	5.60		856.80		
	2nd Cross		1	73.00	5.80		423.40		
	3rd Cross		1	100.00	5.70		570.00		
			1	123.00	5.70		701.10		
		Sqm					3888.40	12.72	49460.45
	As per Issue rate	12.00							
	Area Weightage 6%	0.72							
	Grand Total	**12.72**							
57	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. Clause 507 of MORTH V Version as per IRC SP-53-2015,do-Using 40-60 TPH Capacity HMP With Mechanical Paver Grading II (30-45mm) with 5.4% of Modified bituminous binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (Waste Plastic) **(P.No.171 & I.No.21.78.12, PWD 18-19)**								
	Asphalt Road								
	Shanthi Layout								
	1st Main Road								
	2nd cross		1	137.00	7.00	0.04	38.36		
	Lakeview Avenue Main Road		1	38.00	5.60	0.04	8.51		
	Vijayalakshmi Layout		1	29.00	5.70	0.04	6.61		
	1st Main Road								
	1st A Cross Road		1	153.00	5.60	0.04	34.27		
	2nd Cross		1	73.00	5.80	0.03	12.70		
	3rd Cross		1	100.00	5.70	0.04	22.80		
			1	123.00	5.70	0.04	28.04		
		Cum					151.30	6761.74	1023064.79
	As per Issue rate	6379.00							
	Area Weightage 6%	382.74							
	Grand Total	**6761.74**							
58	Removal of Unserviceable Soil with Disposal KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications. MORTH Specification No. 301 **(P.No.144 & I.No.19.20 PWD 18-19)**								

Description of Item	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
Item No.42								
	1cum					692.40		
Extra Rate	35.00					692.40	34.32	24255.13
Extra Multiplying Fact	1.00							
Grand Total	34.32							
Providing & loading and unloading of Stone Boulder / Stone aggregates (Sand)/ Kankar / Moorum.								
Providing, hiring charges of loading pan, loading with front end loader, dumping, turning for								
mixing, including hire charges and return to complete as per specifications. MORTH -100/								
Chapter 2 Para 2.2.6 & Para 2.2.7 & PWD 10-09)								
Item No.43 & 44								
	1cum					135.54		
Extra Rate	57.00					135.54	57.00	7726.58
Providing & Cost of loading, unloading, loading and Unloading MORTH -100/ Chapter 1 Case-1 :								
Refer Para 12.2.6 & Para 2.2.7 & PWD 10-09)								
Item No.55 & 56								
	1cum					829.34		
Lead for metal (a)						829.34	25.60	21231.10
Add for 2.00 Km (25-23.00)	25.60							

Total Construction cost(B)	5164356.56
Total Construction cost (A+B)	8544943.76
GST Charges 12%	1025393.25
Tender Premium 3%	427247.19
Sub Total	9997584.20
Miscellaneous & Rounding Off	2415.80
Grand Total	10000000.00

Rupees One Crore Only

Note:

1) Work Comes Within Ward Limits

2) Certified that personally inspected the Work Spot.

3) Certified that the Estimate is Prepared Based on CSR of PWD Bangalore Circle 2018-19 and Issue Rates from 20-05-20

4) Rate is Prepared Making Use of essential items of work as per site conditions in safest way of Execution in most economical way

5) Work is not included in any other program of work.

Assistant Engineer
Ward No.22

Assistant Executive Engineer
Sheyyalli Sub - Division

Executive Engineer
Dasarahalli Zone

ADMINISTRATIVELY SANCTIONED FOR Rs. one hundred lakhs only
vide Head of Account 4-3336
vide SE(D) No. SE/2020-21 dated
Running Account in Electronic Measurement
Book No. AE/EE/2020-21/96/05 dated 2020

AE/EE (DASARAHALLI) BBMP

Technically Sanctioned For Rs. 100.00 lakh
Rs. in Words One Hundred lakhs Only
Under 2-3336 Development Works
Work Code No. 013-20-000123
Registered as SE No. 41 / 20-21 subject to conditions contained in Enclosed Memo No. SE/DZ/TS / 41/2020-21 dated 26/05/20

JE TA SE(D)